

STIC Biotechnology Systems Branch**RAW SEQUENCE LISTING**
ERROR REPORT*Re-run*

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/536,685
Source: pc
Date Processed by STIC: 2/16/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/536,685

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 _____ Wrapped Nucleics
_____ Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 _____ Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 _____ Misaligned Amino
_____ Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 _____ Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 _____ Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 _____ PatentIn 2.0
_____ "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 _____ Skipped Sequences
_____ (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 _____ Skipped Sequences
_____ (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 _____ Use of n's or Xaa's
_____ (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 _____ Invalid <213>
_____ Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
- 11 _____ Use of <220>
_____ Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
- 12 _____ PatentIn 2.0
_____ "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 _____ Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC - STIC Systems Branch - 03/02/06

re-use

PCT

RAW SEQUENCE LISTING

DATE: 06/12/2006

PATENT APPLICATION: US/10/536,685

TIME: 15:33:38

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06122006\J536685.raw

4 <110> APPLICANT: HECKL, Stefan
5 BRAUN, Klaus
6 PIPKORN, Ruediger
7 WALDECK, Waldemar
9 <120> TITLE OF INVENTION: Peptide Conjugate Useful For Cell Nucleus Molecular Imaging
and Tumor
10 Therapy
12 <130> FILE REFERENCE: 03528.0147.PCUS00
14 <140> CURRENT APPLICATION NUMBER: 10/536,685
C--> 15 <141> CURRENT FILING DATE: 2005-05-27
17 <150> PRIOR APPLICATION NUMBER: PCT/EP03/13413
18 <151> PRIOR FILING DATE: 2003-11-28
20 <150> PRIOR APPLICATION NUMBER: EP 02026700.1
21 <151> PRIOR FILING DATE: 2002-11-29
23 <160> NUMBER OF SEQ ID NOS: 18
25 <170> SOFTWARE: PatentIn version 3.2
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 16
29 <212> TYPE: PRT
30 <213> ORGANISM: Artificial
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Transmembrane module
35 <400> SEQUENCE: 1
37 Thr Gln Val Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Gln Lys Lys
38 1 5 10 15
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 8
43 <212> TYPE: PRT
44 <213> ORGANISM: Artificial
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Nuclear localization sequence
49 <400> SEQUENCE: 2
51 Pro Pro Lys Lys Lys Arg Lys Val
52 1 5
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 7
57 <212> TYPE: PRT
58 <213> ORGANISM: Artificial
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Nuclear localization sequence
63 <400> SEQUENCE: 3
65 Pro Lys Lys Lys Arg Lys Val
66 1 5
69 <210> SEQ ID NO: 4

pp 1-4
**Does Not Comply
Corrected Diskette Needed***insufficient**elaboration.
(give source of
genetic
material)**see item 11 on
Erra Summary
Sheet**global erra*

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Input Set : A:\pto.da.txt

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70 <211> LENGTH: 6
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Nuclear localization sequence
77 <400> SEQUENCE: 4
79 Lys Arg Arg Arg Glu Arg
80 1 5
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 7
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Nuclear localization sequence
91 <400> SEQUENCE: 5
93 Lys Ala Arg Lys Arg Leu Lys
94 1 5
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 10
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Nuclear localization sequence
105 <400> SEQUENCE: 6
107 Val Gln Arg Lys Arg Gln Lys Leu Met Pro
108 1 5 10
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 8
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Nuclear localization sequence
119 <400> SEQUENCE: 7
121 Ser Lys Lys Lys Lys Thr Lys Val
122 1 5
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 8
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Nuclear localization sequence
133 <400> SEQUENCE: 8
135 Gly Arg Lys Arg Lys Lys Arg Thr
136 1 5
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 11
141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial
144 <220> FEATURE:

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Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06122006\J536685.raw

145 <223> OTHER INFORMATION: Nuclear localization sequence
147 <400> SEQUENCE: 9
149 Gly Lys Lys Lys Lys Arg Lys Arg Glu Lys Leu
150 1 5 10
153 <210> SEQ ID NO: 10
154 <211> LENGTH: 8
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Nuclear localization sequence
161 <400> SEQUENCE: 10
163 Glu Arg Lys Lys Arg Arg Arg Glu
164 1 5
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 7
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Nuclear localization sequence
175 <400> SEQUENCE: 11
177 Phe Lys Lys Phe Arg Lys Phe
178 1 5
181 <210> SEQ ID NO: 12
182 <211> LENGTH: 16
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Antennapedia peptide fragment
189 <400> SEQUENCE: 12
191 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
192 1 5 10 15
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 51
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial
200 <220> FEATURE:
201 <223> OTHER INFORMATION: 1B72:A of page 6
203 <400> SEQUENCE: 13
205 Thr Glu Leu Glu Lys Glu Phe His Phe Asn Lys Tyr Leu Ser Arg Ala
206 1 5 10 15
209 Arg Arg Val Glu Ile Ala Ala Thr Leu Glu Leu Asn Glu Thr Gln Val
210 20 25 30
213 Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Gln Lys Lys Arg Glu Arg
214 35 40 45
217 Glu Gly Gly
218 50
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 17
223 <212> TYPE: PRT

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Input Set : A:\pto.da.txt
Output Set: N:\CRF4\06122006\J536685.raw

224 <213> ORGANISM: Artificial
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Transportprotein
229 <400> SEQUENCE: 14
231 Thr Gln Val Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Gln Lys Lys
232 1 5 10 15
235 Cys
239 <210> SEQ ID NO: 15
240 <211> LENGTH: 7
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Addresspeptide
247 <400> SEQUENCE: 15
249 Lys Pro Lys Arg Val Lys Lys
250 1 5
253 <210> SEQ ID NO: 16
254 <211> LENGTH: 15
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Transport peptide unit
261 <400> SEQUENCE: 16
263 Lys Met Thr Arg Gln Thr Trp Trp His Arg Ile Lys His Lys Cys
264 1 5 10 15
267 <210> SEQ ID NO: 17
268 <211> LENGTH: 16
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Transport peptide unit
275 <400> SEQUENCE: 17
277 Gln Met Thr Arg Gln Thr Phe Trp His Arg Ile Lys His Tyr Gly Ala
278 1 5 10 15
281 <210> SEQ ID NO: 18
282 <211> LENGTH: 8
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial
286 <220> FEATURE:
287 <223> OTHER INFORMATION: part of the tissue transglutaminase
289 <400> SEQUENCE: 18
291 Pro Lys Gln Lys Arg Lys Leu Val
292 1 5

~~Page 6 of 7~~
5
11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/536,685

DATE: 06/12/2006

TIME: 15:33:39

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06122006\J536685.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date